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(71) Applicant (for all designated States except US): BASELL POLIOLEFINE ITALIA S.P.A. [IT/IT]; Via Pergolesi, 25, I-20124 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GULEVICH, Yuri [RU/IT]; Corso Porta Mare, 8, I-44100 Ferrara (IT). CA-MURATI, Isabella [IT/IT]; Vicolo Mozzo della Vittoria, 2, I-44100 Ferrara (IT). CRISTOFORI, Antonio [IT/IT]; Corso Berlinguer, 9, I-45030 S.M. Maddalena, Occhiobello (IT). DALL'OCCO, Tiziano [IT/IT]; Via E. Farolfi, 3, I-44100 Ferrara (IT). MORINI, Giampiero [IT/IT]; Via Giotto, 36, I-35100 Padova (IT). PIEMONTESI, Fabrizio [IT/IT]; Vicolo Mozzo della Vittoria, 2, I-44100 Ferrara (IT). VITALE, Gianni [IT/IT]; Via Fulvio Testi, 22, I-44100 Ferrara (IT).

(74) Agent: GIBERTI, Stefano; Basell Poliolefine Italia S.p.A., Intellectual Property, P. le G. Donegani, 12, I-44100 Ferrara (IT).

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(57) Abstract: Lewis base adducts comprising MgCl_n(OR)_{2-n}, and an aprotic Lewis base that are in molar ratios to each other defined by the formula: MgCl_n(OR)_{2-n}LB_p in which n is from 0.1 to 1.9, p is higher than 0.4, and R is a C1-C15 hydrocarbon group. The adducts of the present invention are particularly useful as precursors of Ziegler-Natta catalyst components for the polymerization of olefins.